

AMENDMENTS TO THE CLAIMS

In accordance with Rule 1.121, a complete claim listing is presented below, including appropriate status identifiers. Changes in the amended claims are shown by strikethrough for deleted material, and by underlining for added material.

1-3. (Cancelled)

4. (Currently Amended) The method of claim 4 46, wherein for the plurality of systems for which the effective A/L is substantially the same,

the rate of removing solvent ~~from the first plurality of solutions~~, prior to forming solid, varies by at most 10% between each solution of the first plurality of systems.

5. (Currently Amended) The method of claim 4 46, wherein for the plurality of systems for which the concentration is substantially the same,

the concentration ~~of the compound in the second plurality of solutions~~ varies by at most 10% between each solution of the second plurality of systems, prior to removing the solvent.

6. (Currently Amended) The method of claim 4 46, wherein

for the one of the plurality of systems for which the effective A/L is substantially the same, the rate of removing solvent ~~from the first plurality of solutions~~, prior to forming solid, varies by at most 5% between each solution of the first one of the plurality of systems, and

for the other of the plurality of systems for which the concentration is substantially the same, the concentration ~~of the compound in the second plurality of solutions~~ varies by at most 5% between each solution of the second other of the plurality of systems, prior to removing the solvent.

7. (Currently Amended) The method of claim 4 46, wherein removing solvent from the first plurality of solutions is carried out until only solid remains.

8. (Currently Amended) The method of claim 4 46, wherein removing solvent from the second plurality of solutions is carried out until only solid remains.
- 9-10. (Cancelled)
11. (Currently Amended) The method of claim 4 46, wherein the compound is a protein.
12. (Currently Amended) The method of claim 4 46, wherein the solutions further comprise a precipitant.
13. (Currently Amended) The method of claim 4 46, wherein the solvent comprises water.
14. (Currently Amended) The method of claim 6, wherein the compound is a protein,
the ~~solution~~ solutions further ~~comprises~~ comprise a precipitant, and
the solvent comprises water.
15. (Original) The method of claim 13, wherein the solid is a hydrate of the compound.
16. (Currently Amended) The method of claim 4 46, wherein the first plurality and the second plurality are each at least six.
17. (Original) The method of claim 14, wherein the first plurality and the second plurality are each at least six.
- 18-45. (Cancelled)

46. (New) A method for determining crystal growth conditions, comprising:
- placing a first plurality of solutions of a compound in a first plurality of chambers, to provide a first plurality of systems,
 - each solution of the first plurality having a concentration of the compound,
 - each chamber of the first plurality comprising an evaporation member having an effective A/L,
 - wherein one of the concentration or the effective A/L is substantially the same for the first plurality of systems, and
 - the other of the concentration or the effective A/L is different for the first plurality of systems;
 - removing solvent from the first plurality of solutions, to form a solid in each chamber, wherein the solid of a system of the first plurality comprises a crystal;
 - placing a second plurality of solutions of the compound in a second plurality of chambers, to form a second plurality of systems,
 - each solution of the second plurality having a concentration of the compound,
 - each chamber of the second plurality comprising an evaporation member having an effective A/L,
 - wherein the concentration or the effective A/L that was different for the first plurality of systems, and that was associated with the system of the first plurality having the solid that comprised the crystal, is substantially the same for the second plurality of systems, and
 - the concentration or the effective A/L that was substantially the same for the first plurality of systems is different for the second plurality of systems; and
 - removing solvent from the second plurality of solutions, to form a solid in each chamber, wherein the solid of a system of the second plurality comprises a crystal having a highest quality relative to the solids of the other systems of the second plurality.

47. (New) The method of claim 46, further comprising identifying the concentration and effective A/L associated with the system of the second plurality that comprised the crystal having the highest quality.
48. (New) The method of claim 46, wherein the concentration is substantially the same for the first plurality of systems.
49. (New) The method of claim 46, wherein the effective A/L is substantially the same for the first plurality of systems.
50. (New) The method of claim 46, wherein the removing solvent from the first plurality of solutions is performed simultaneously.
51. (New) The method of claim 50, wherein the removing solvent from the second plurality of solutions is performed simultaneously.
52. (New) The method of claim 46, wherein the removing solvent from the second plurality of solutions is performed simultaneously.